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York, NY 10019 (US). LIU, Zhuoru [US/US]; Apartment
9C, 100 Haven Avenue, New York, NY 10032 (US).
CHANG, Chih-Chao [US/US]; Apartment 228, 555
Central Park Avenue, Scarsdale, NY 10583 (US).

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(74) Agent: WHITE, John, P.; Cooper & Dunham LLP, 1185
Avenue of the Americas, New York, NY 10036 (US).

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(71) Applicant (*for all designated States except US*): THE
TRUSTEES OF COLUMBIA UNIVERSITY IN THE
CITY OF NEW YORK [US/US]; West 116th Street and
Broadway, New York, NY 10027 (US).

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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): SUCIU-FOCA,
Nicole [US/US]; Apartment 19A, 120 Central Park South,
New York, NY 10019 (US). CORTENSINI, Raffaello
[IT/US]; Apartment 19A, 120 Central Park South, New

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(54) Title: GENERATION OF ANTIGEN SPECIFIC T SUPPRESSOR CELLS FOR TREATMENT OF REJECTION

(57) Abstract: This invention provides a method of generating antigen specific allospecific human suppressor CD8+CD28- T cells. This invention also provides a method of generating xenospecific human suppressor CD8+CD28- T cells. This invention further provides a method of generating allopeptide antigen specific human suppressor CD8+CD28- T cells. Methods of treatment for reduction of risk of rejection of allografts and xenografts and autoimmune diseases using the human suppressor CD8+CD28- T cells so produced are also provided, as are methods of preventing rejection and autoimmune diseases, and vaccines comprising the produced suppressor T cells. Methods of diagnosis to determine whether a level of immuno-suppressant therapy requires a reduction are provided.

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